

CLAIMS

[1] A fuel cartridge for a fuel cell, comprising a fuel storage container and a fuel supply port for taking out a fuel stored in the fuel storage container, wherein a fuel supply port protecting mechanism is provided at the fuel supply port, and

the fuel supply port protecting mechanism includes a door for opening/closing an opening provided between the fuel supply port and an outside, and a lock mechanism for locking the door so that the door does not open.

[2] The fuel cartridge for a fuel cell according to claim 1, wherein physical access to the fuel supply port is not allowed unless a lock by the lock mechanism is cancelled and the door is opened.

[3] The fuel cartridge for a fuel cell according to claim 1, wherein the fuel supply port protecting mechanism further includes a mechanism capable of confirming that a lock by the lock mechanism is cancelled.

[4] A fuel cell comprising the fuel cartridge for a fuel cell of claim 1 and an insertion port in which the fuel cartridge is inserted, wherein the insertion port includes a lock cancel system for canceling a lock by the lock mechanism, and a driving portion for performing an opening operation of the door.

[5] A fuel cartridge for a fuel cell, comprising a fuel storage container and a fuel supply port for taking out a fuel stored in the fuel storage container, wherein a fuel supply port protecting mechanism is provided at the fuel supply port, and

the fuel supply port protecting mechanism includes a plurality of valves provided on a fuel passage connecting the fuel storage container to the

fuel supply port.

[6] A fuel cell comprising the fuel cartridge for a fuel cell of claim 5 and an insertion port in which the fuel cartridge is inserted,

5 wherein the insertion port includes a driving portion for opening the plurality of valves simultaneously.

[7] A fuel cell comprising an insertion port in which a fuel cartridge is inserted, the fuel cartridge having a door for opening/closing an opening
10 provided between a fuel supply port for taking out a fuel stored in a fuel storage container and an outside, and a lock mechanism for locking the door so that the door does not open,

wherein the insertion port includes a lock cancel system for canceling a lock by the lock mechanism, and a driving portion for performing an
15 opening operation of the door.

[8] A fuel cell comprising an insertion port in which a fuel cartridge is inserted, the fuel cartridge having a plurality of valves provided on a fuel passage connecting a fuel storage container to a fuel supply port for taking
20 out a fuel stored in the fuel storage container,

wherein the insertion port includes a driving portion for opening the plurality of valves simultaneously.